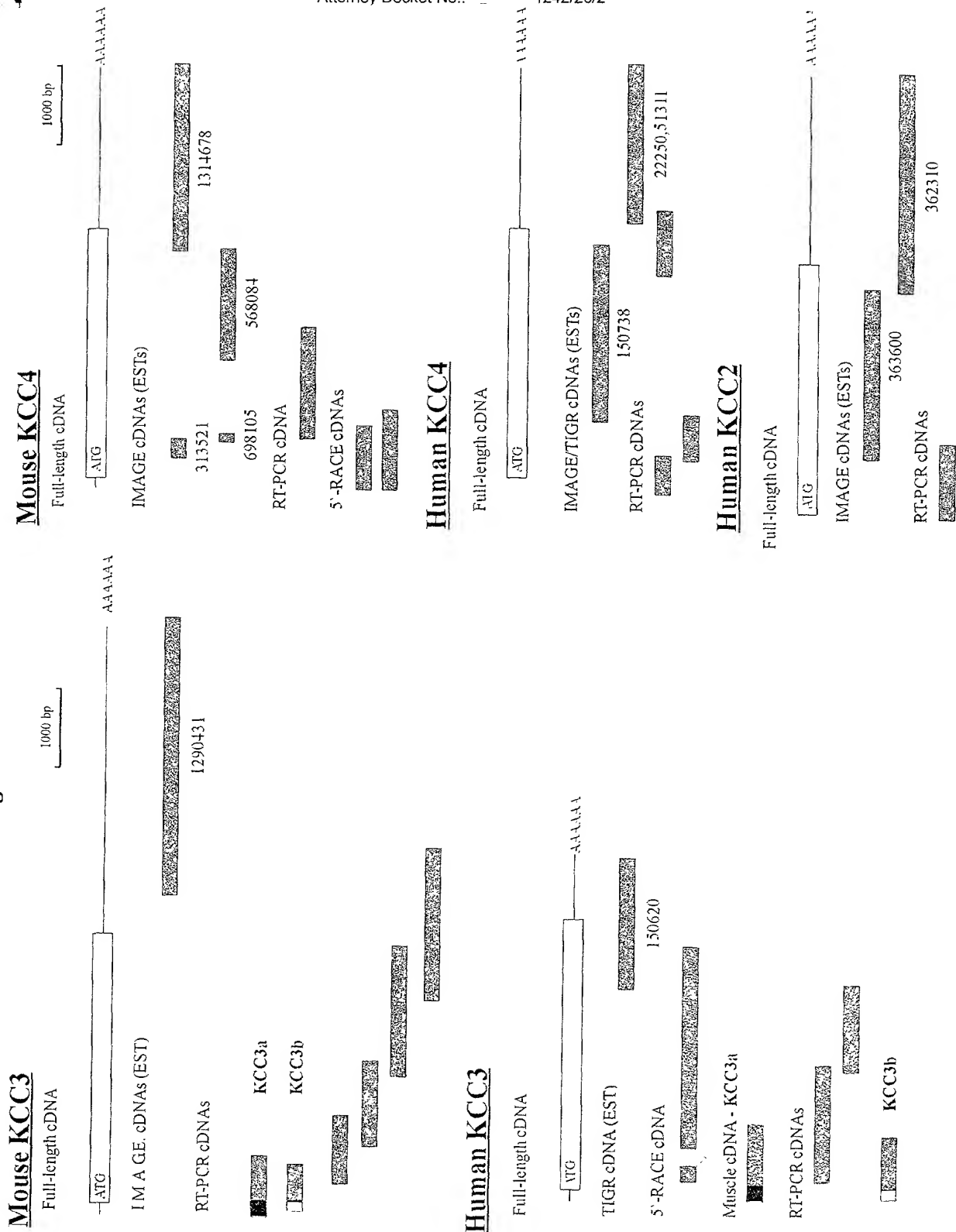
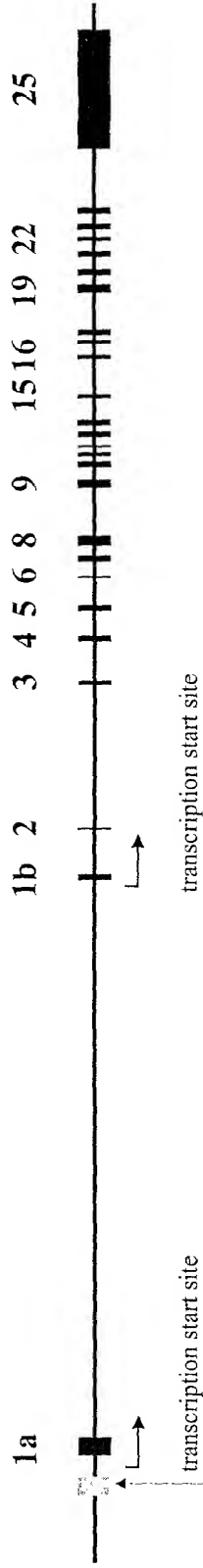


Figure 1



A) *hKCC3*

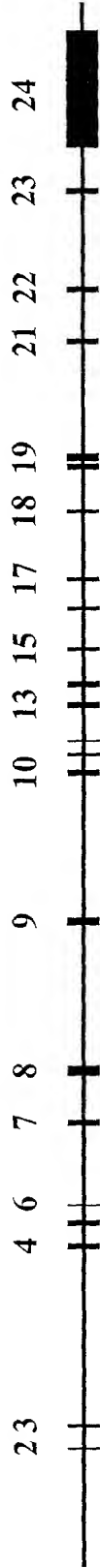
10 kb



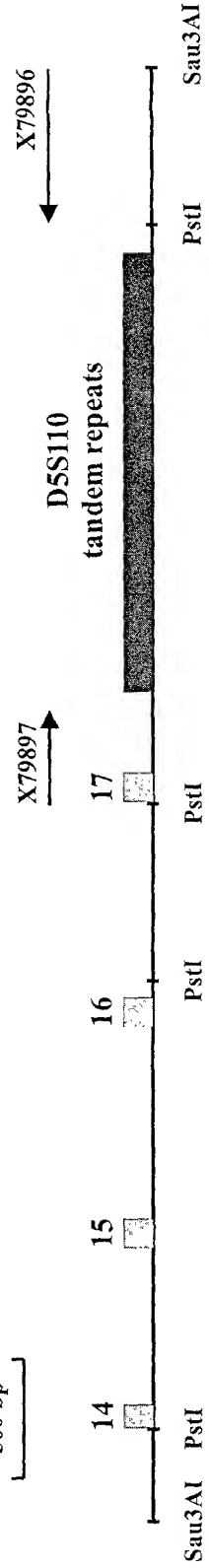
CpG island

B) *hKCC4*

10 kb



500 bp



pMS621 genomic clone

Figure 2

FOOTNOTES

mouse genomic clone

sequenced

5' 3'

X E E E X X

1 kb

exon 1

5' UTR

Xho I

5' end of cDNA

M L N ... ccg/gtaagc

Translation junction

5' splice

KCC2 sequence

Consensus NRSE

20 bp

TCCAGAACCGTGGACAGCGCC

TTCAGCACCAACGGACAGMGSC

** ** *

A

probe dilution	<u>1:1</u>		<u>1:4</u>		<u>1:20</u>		<u>1:100</u>	
nuclear proteins	-	+	-	+	-	+	-	+

complex ➤

free probe ➤

B

probe alone

complex

+ unspecific oligo

+ cold NRSE

Figure 5

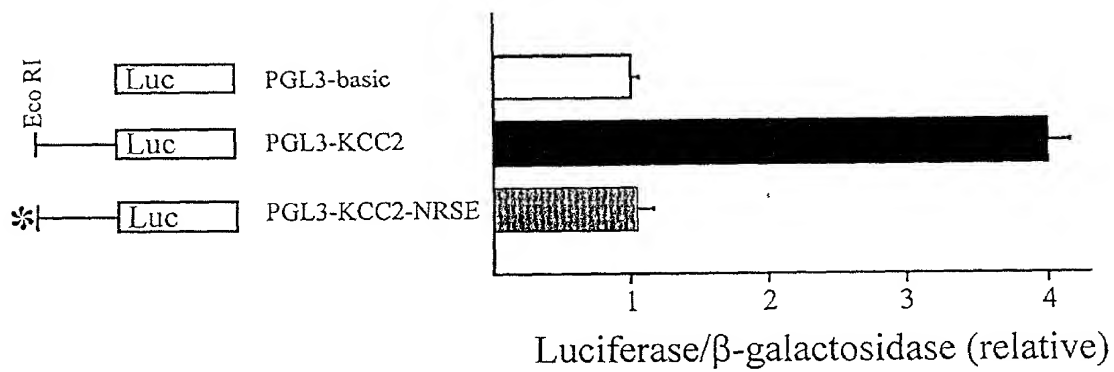


FIG. 5

Figure 6

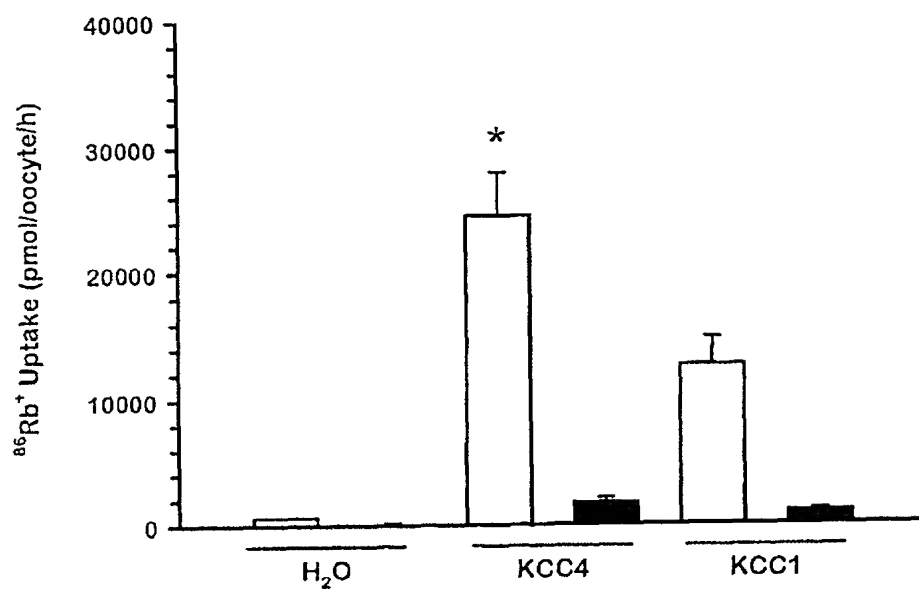


Figure 7

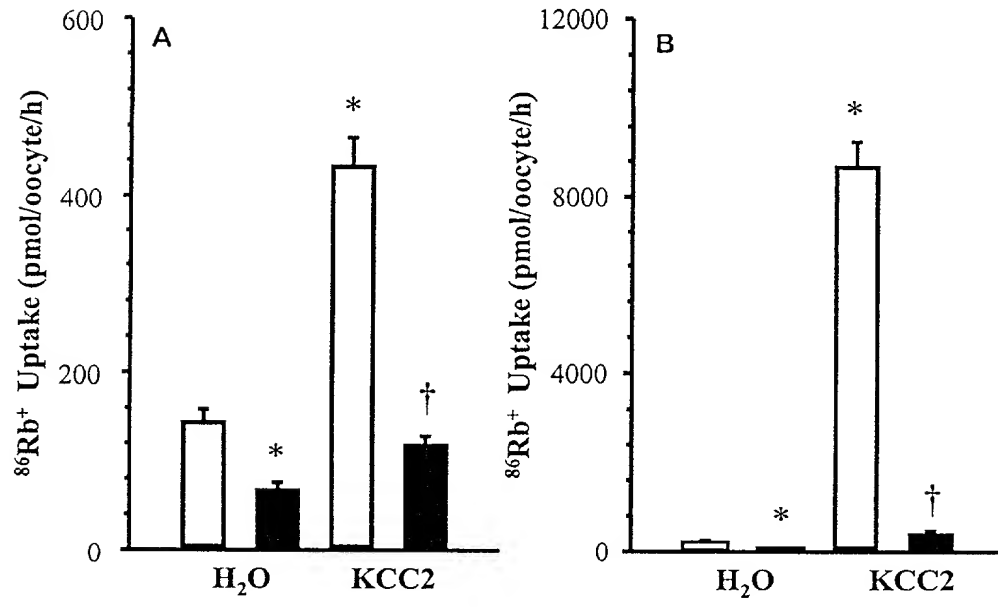
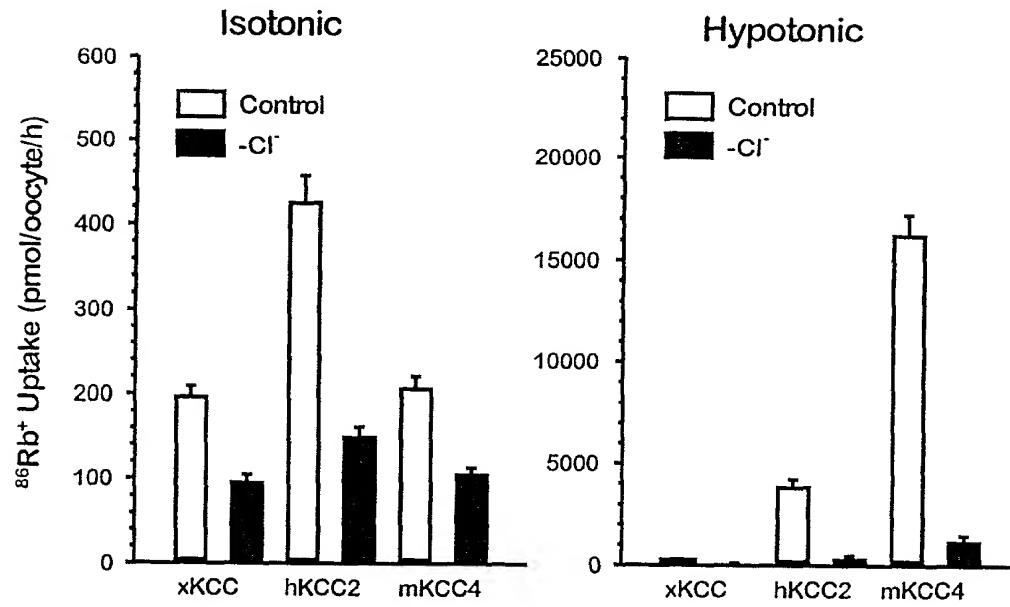


Figure 8



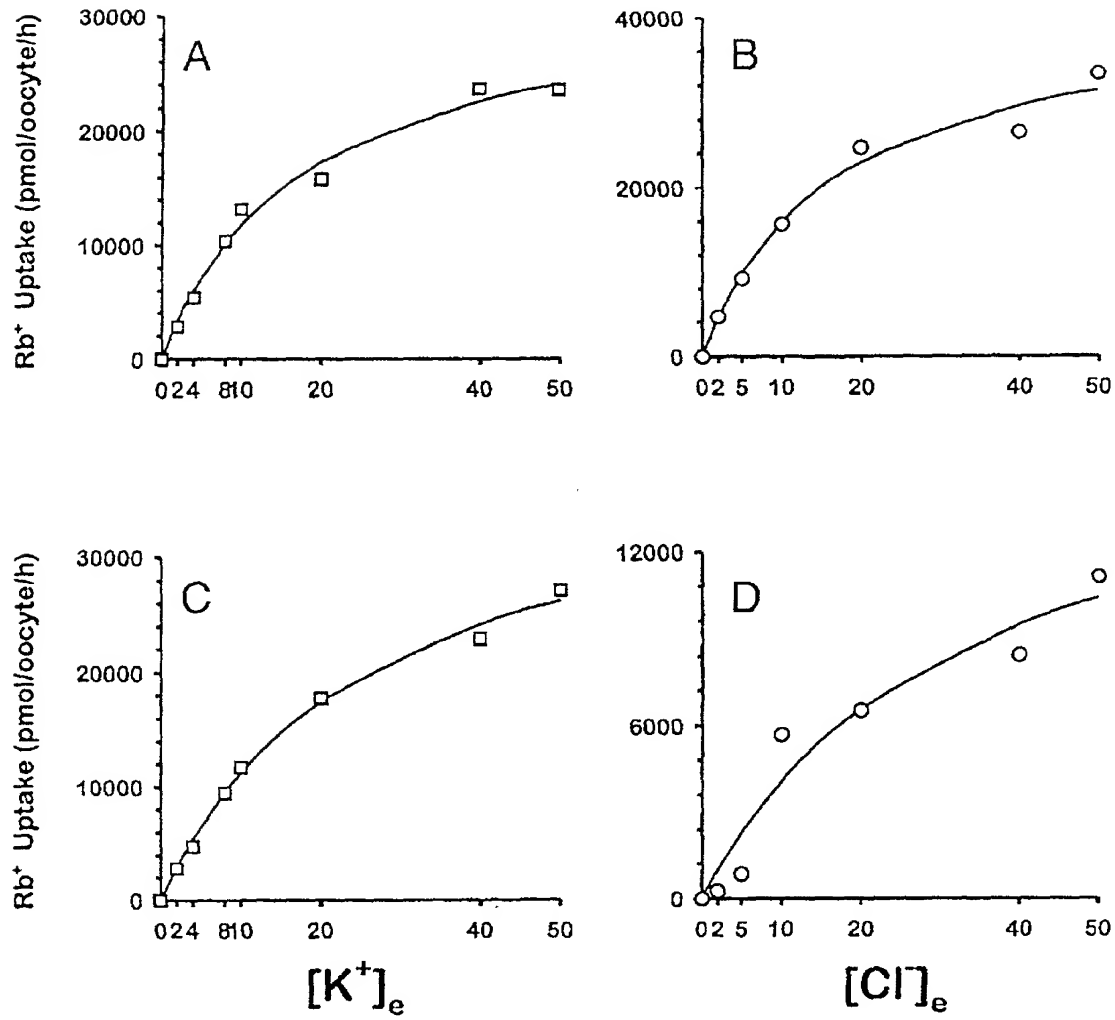


Figure 9

Figure 10

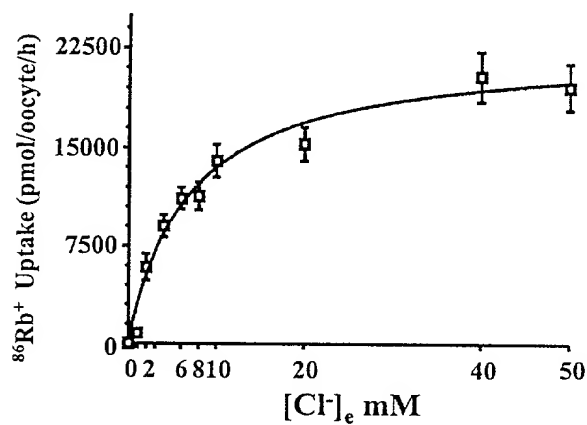
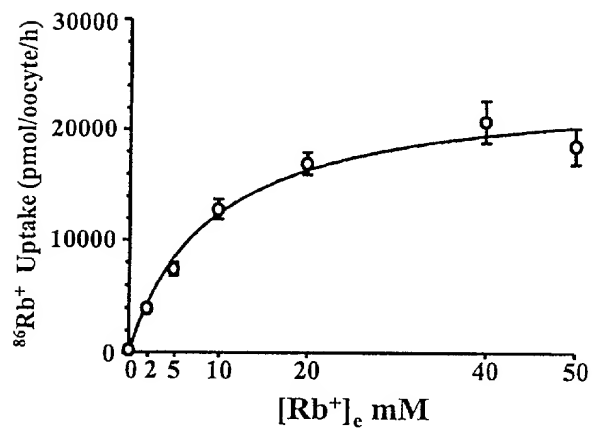
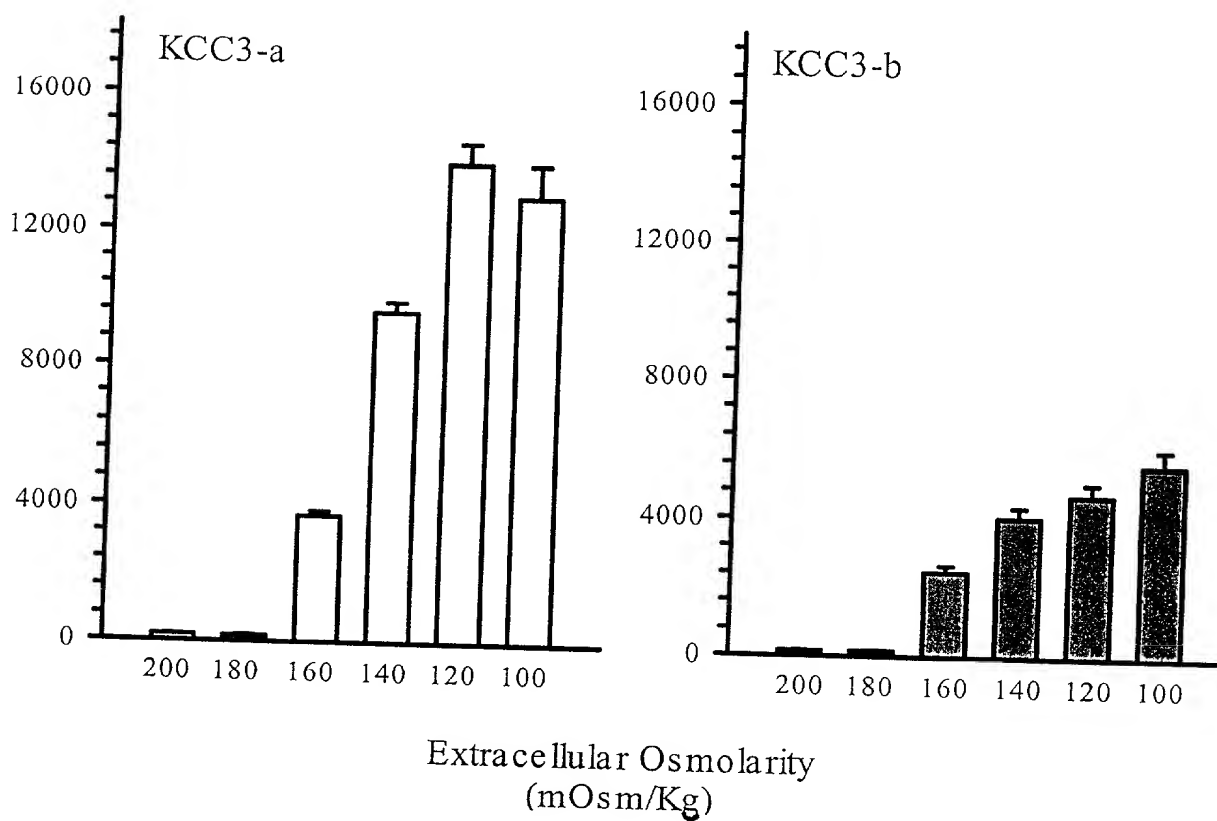


Figure 11



1.03440-34666360

Figure 12

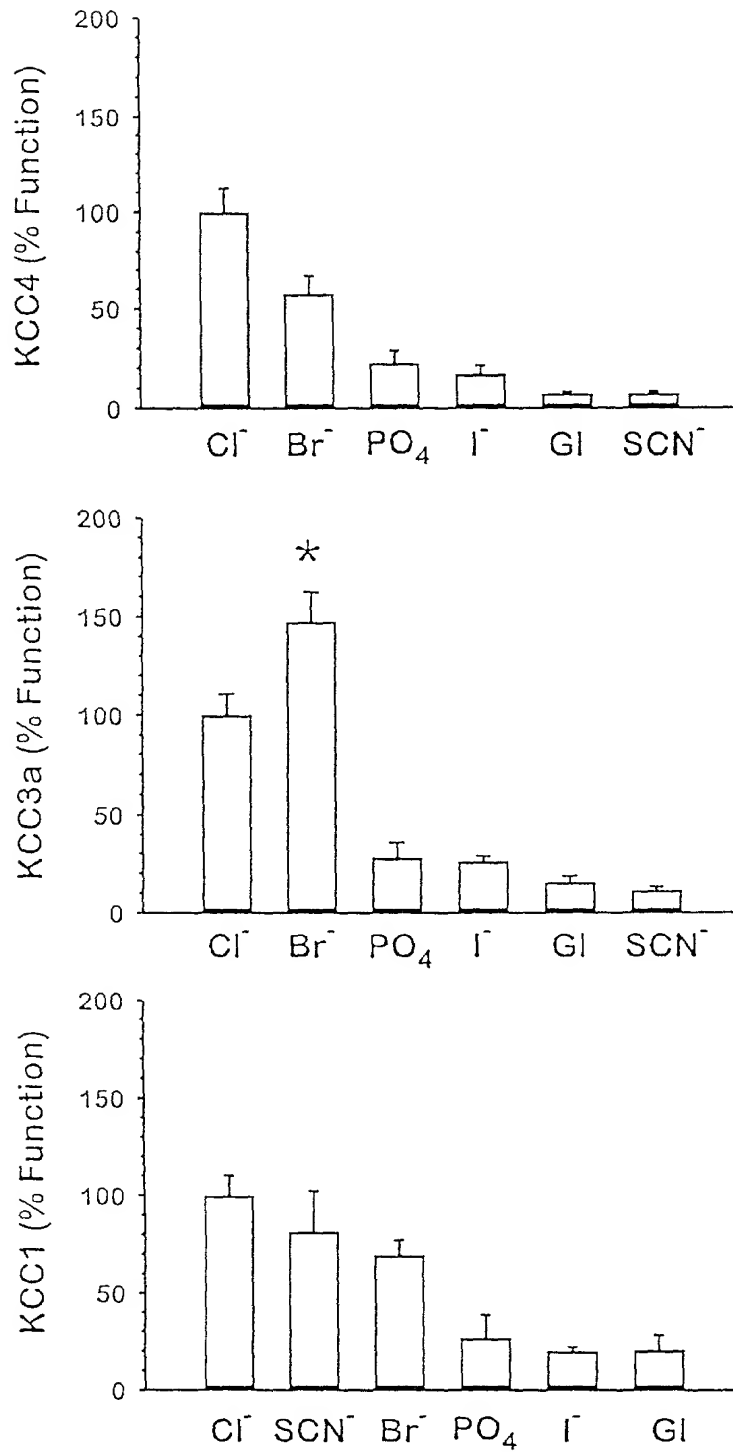


Figure 13

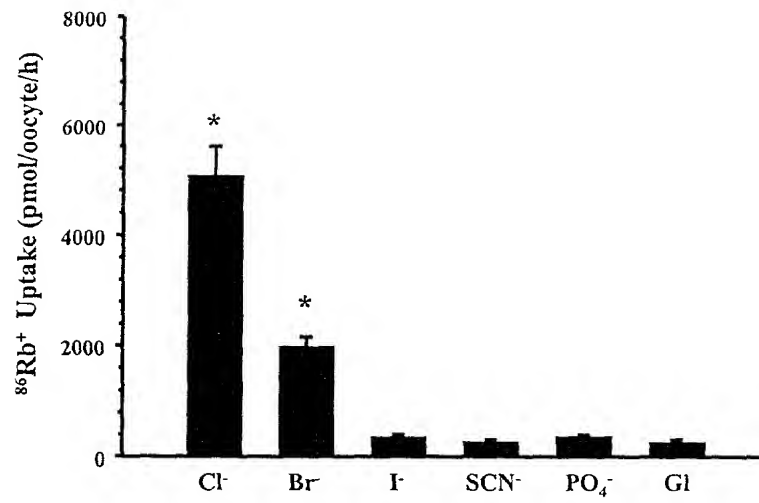


FIG. 13

Figure 14

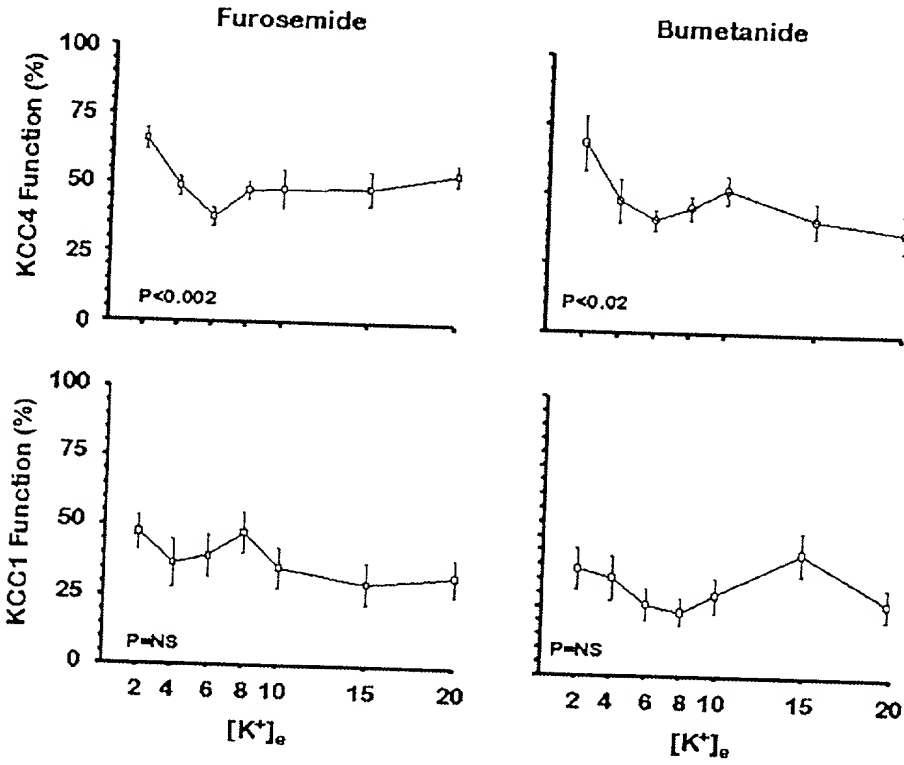


Figure 15

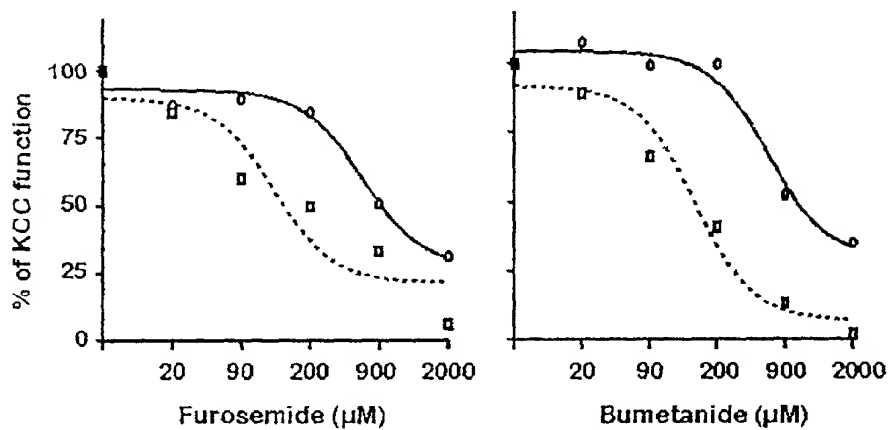
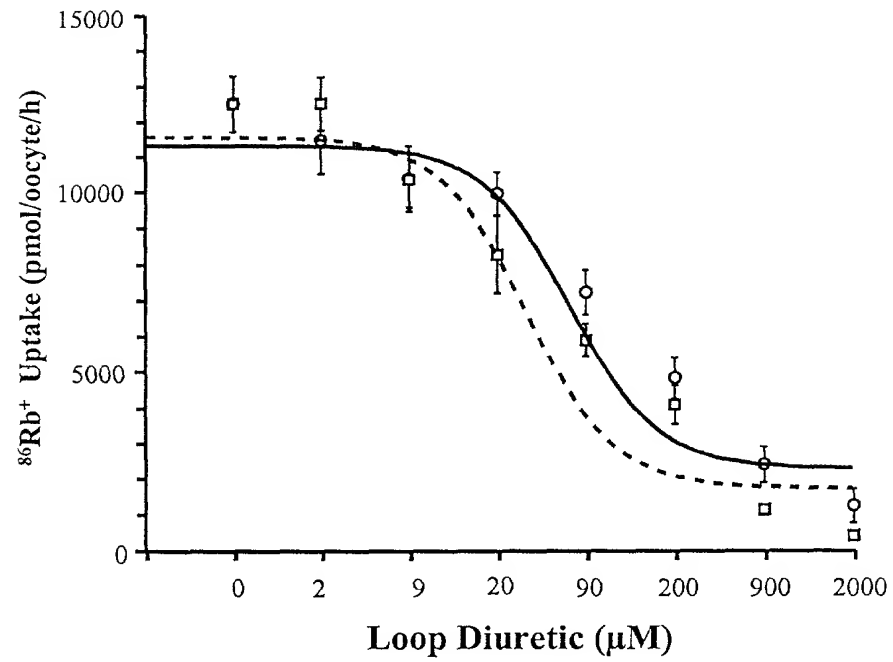


Figure 16



103740-3255650

Figure 17

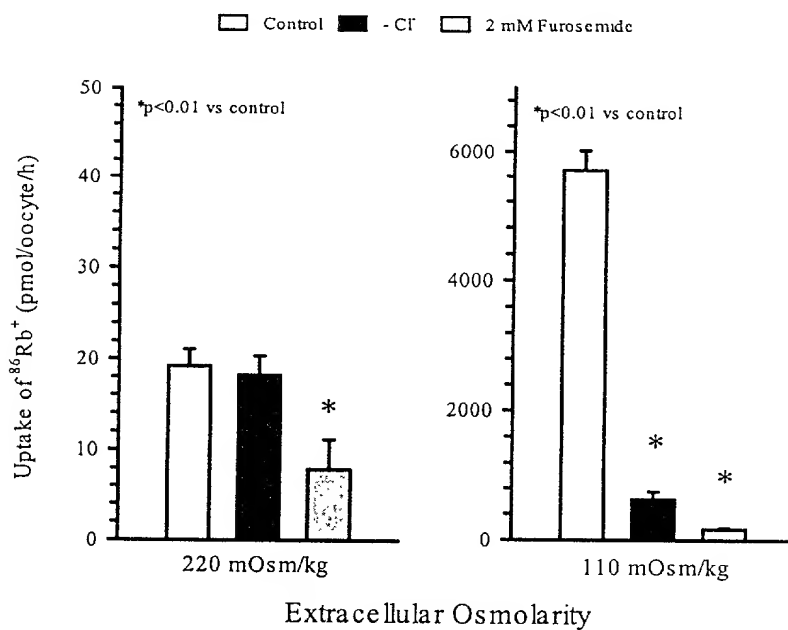
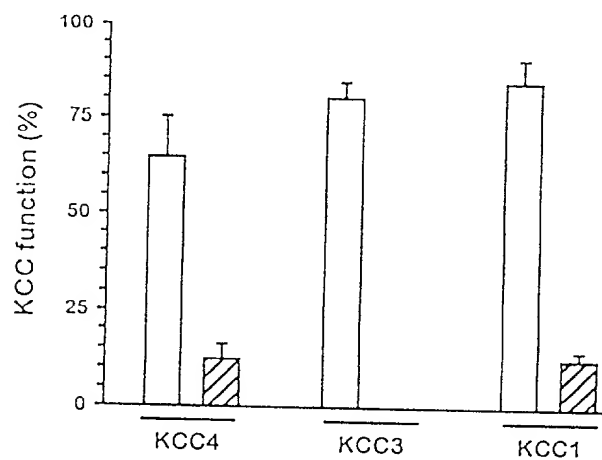
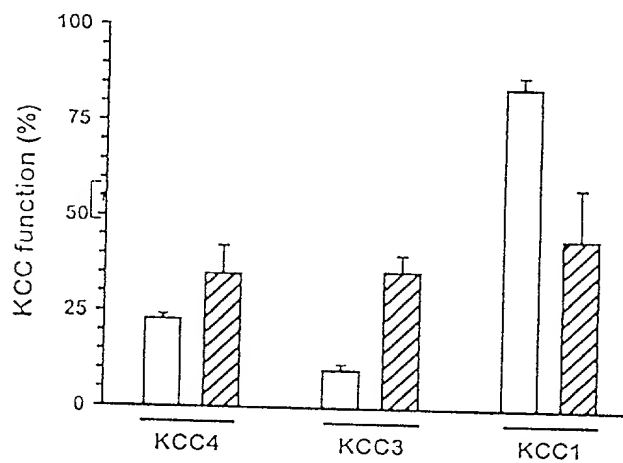


Figure 18

A) DIDS (100 μ M)



B) DIOA (100 μ M)



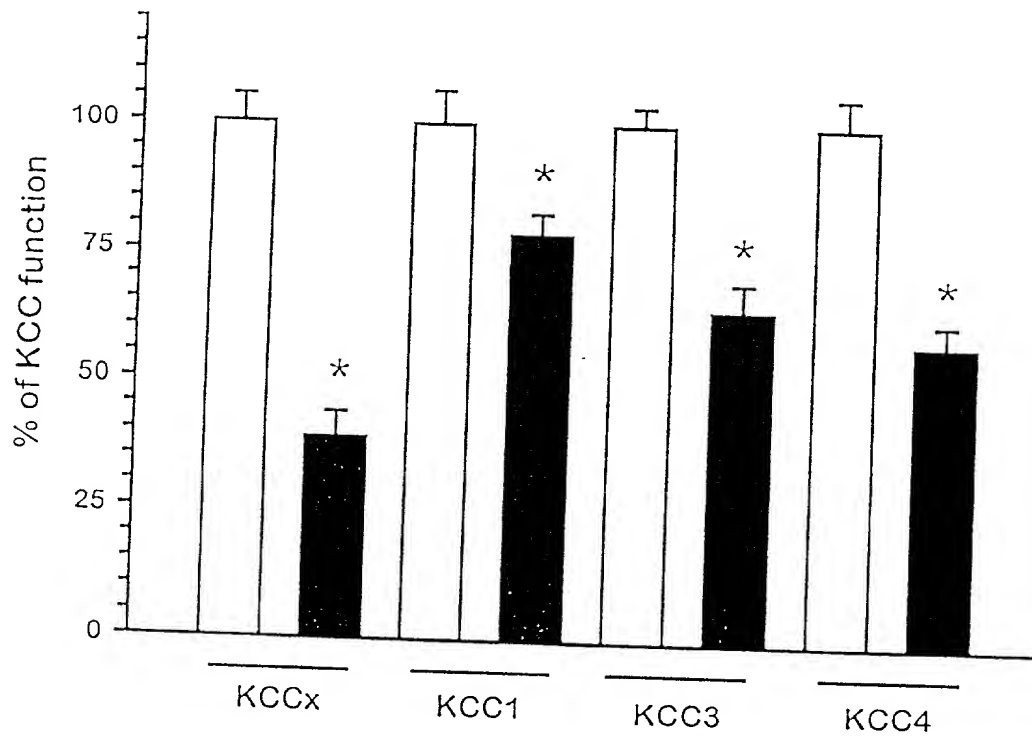


Figure 19

1242/26/2

Figure 20

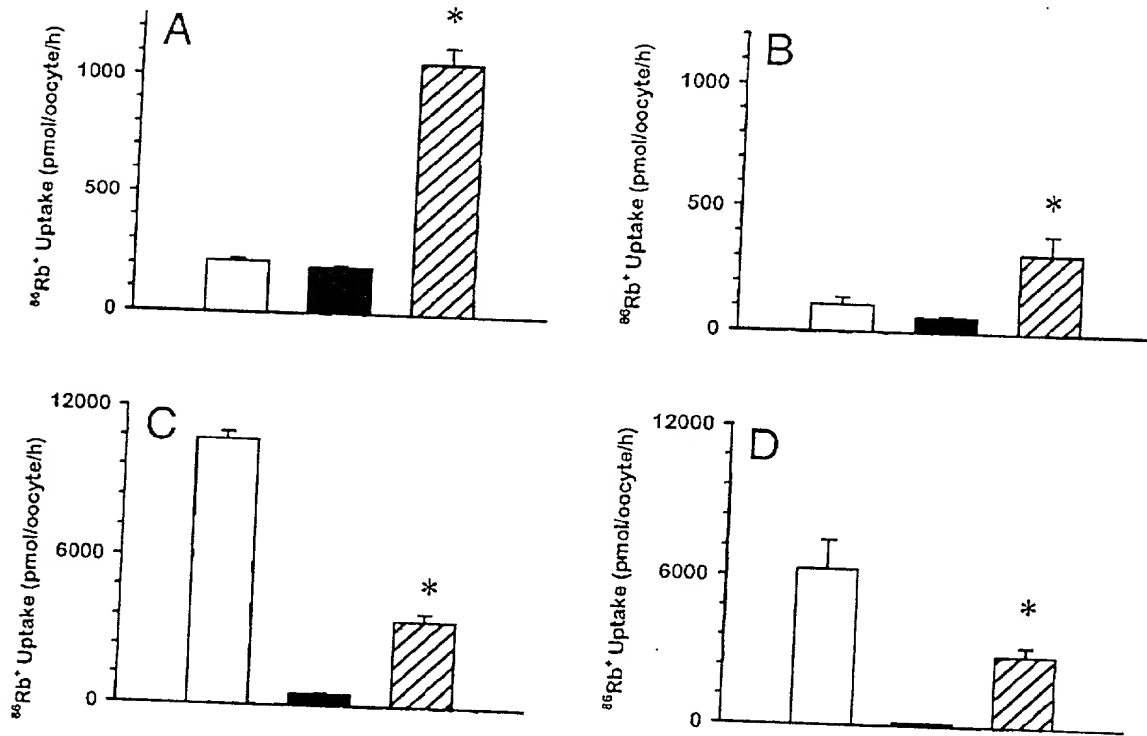


Figure 21

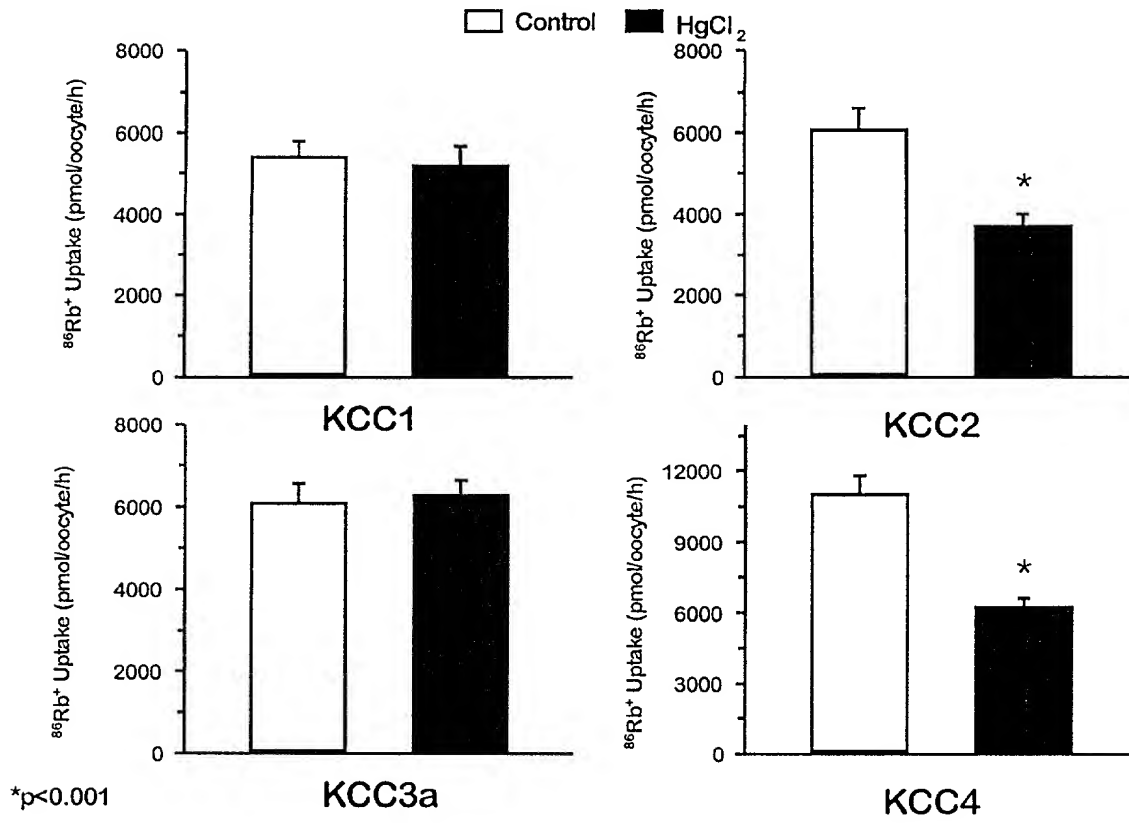


Figure 22

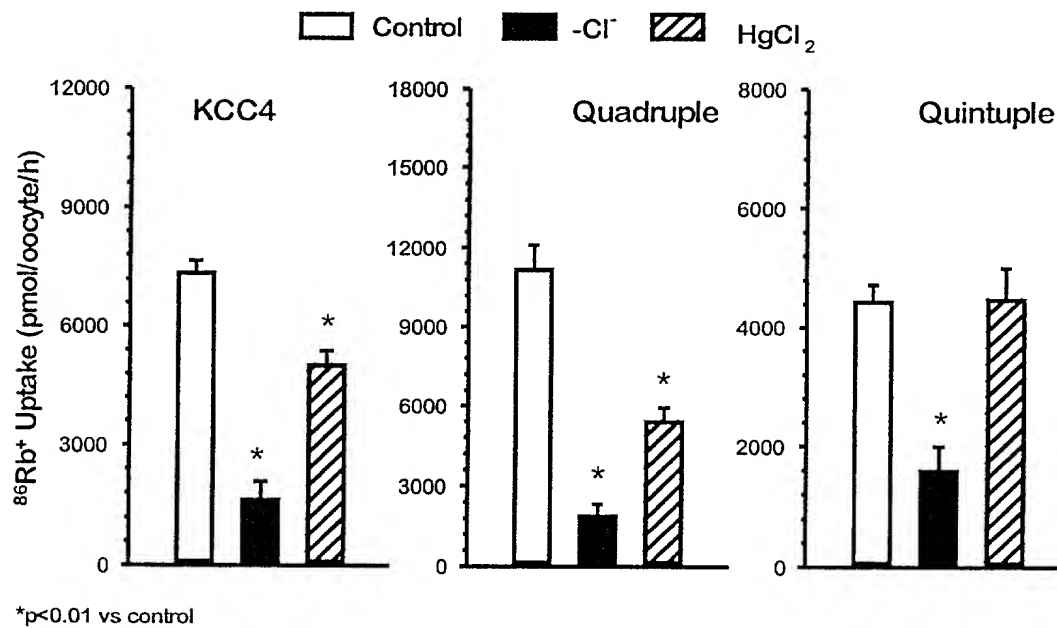


FIG. 40-346360

Figure 23

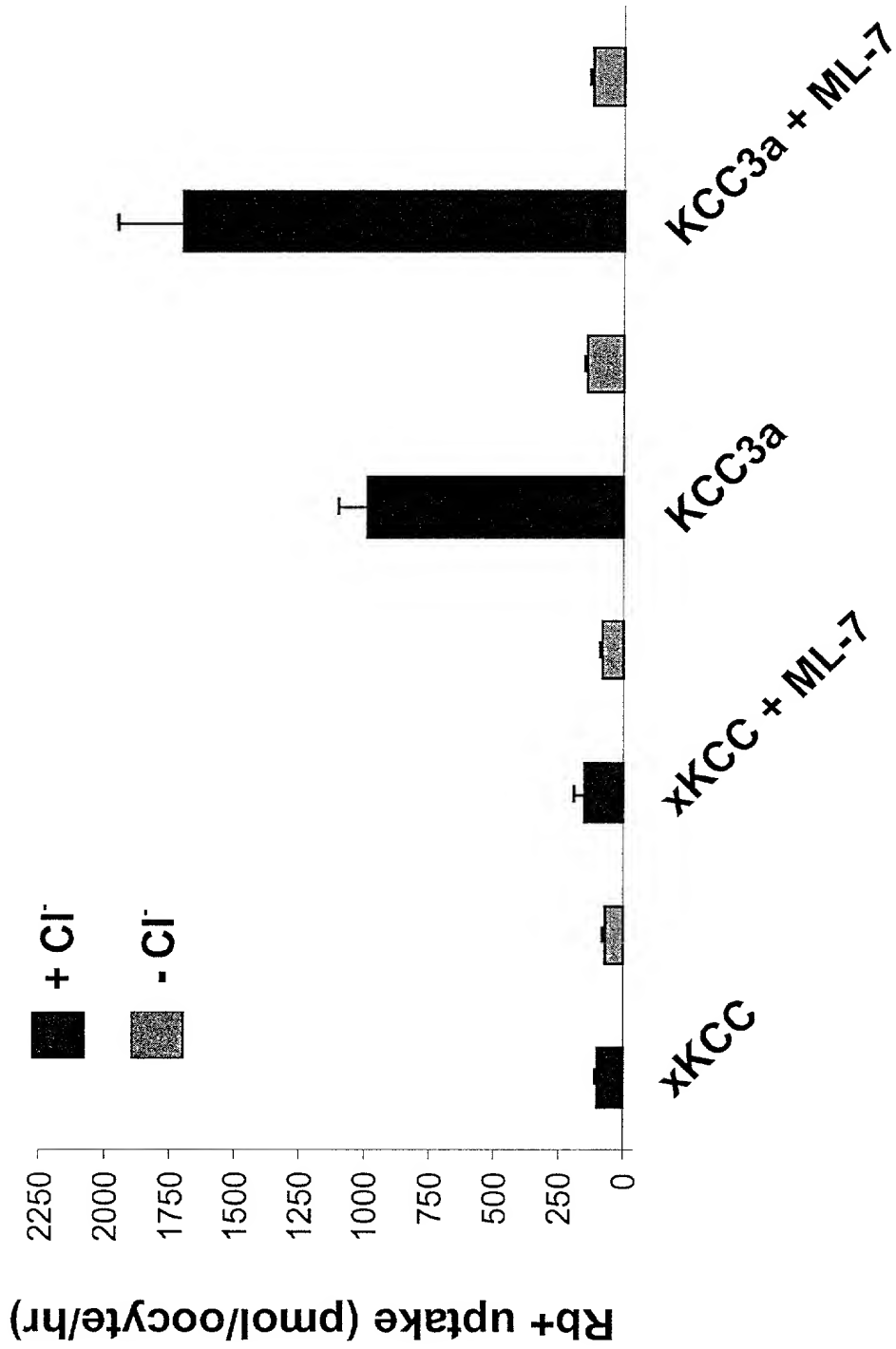
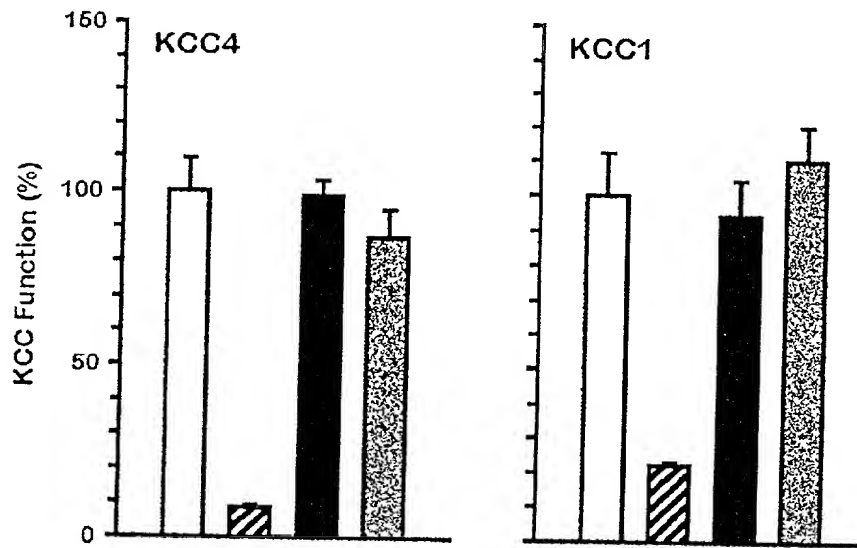


Figure 24



10/31/2010 3:26:56 PM

Figure 25

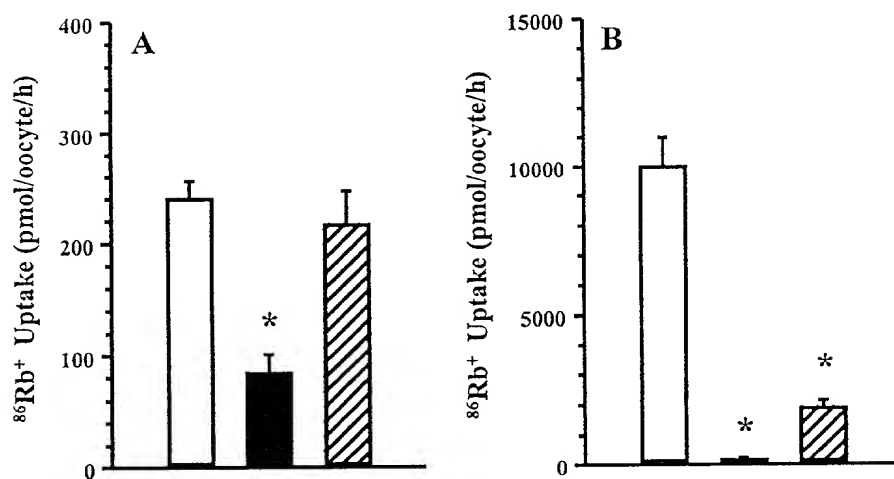


Figure 26

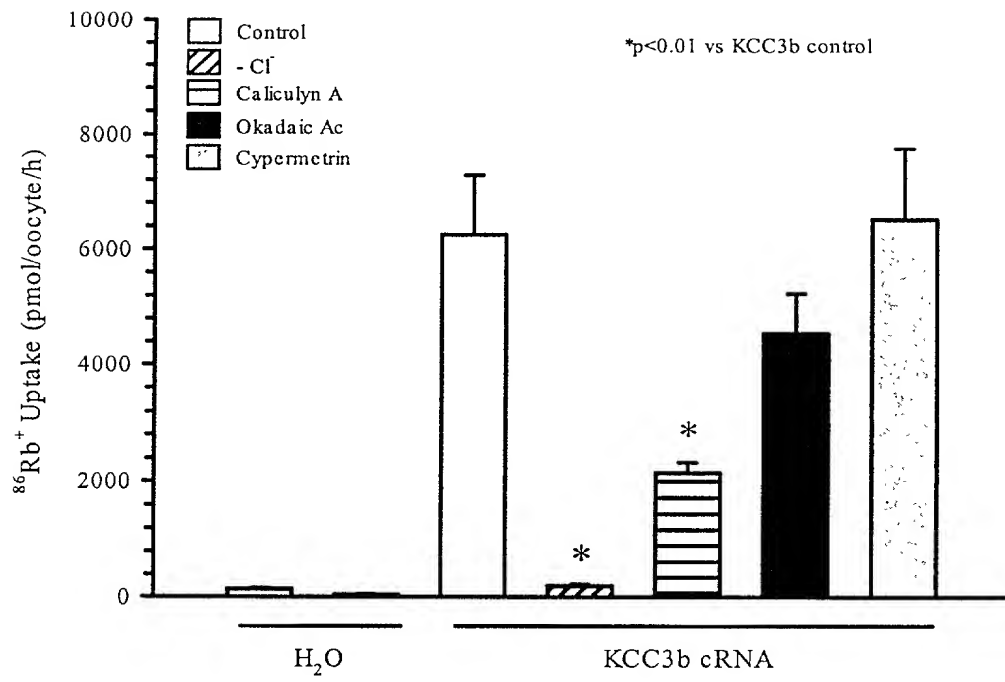
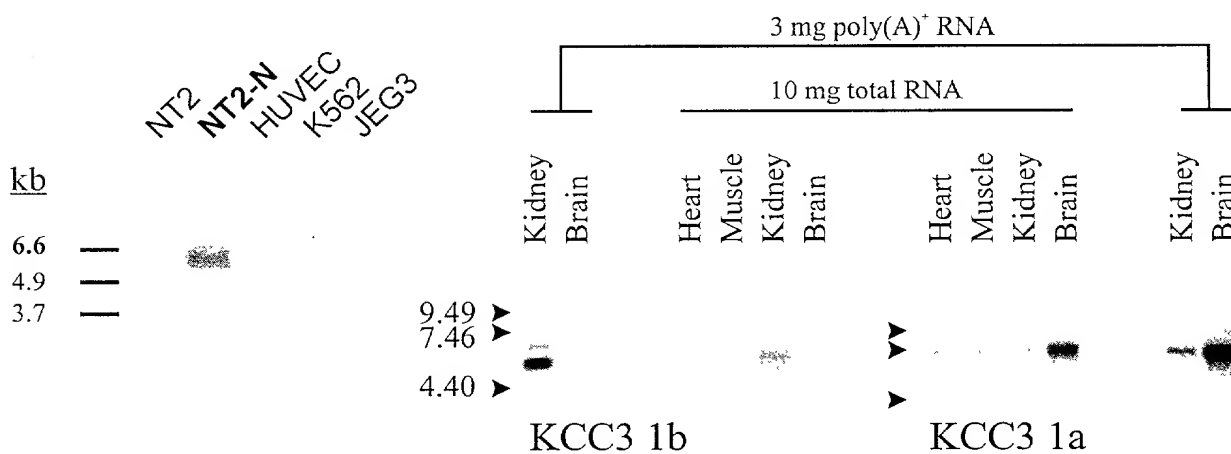


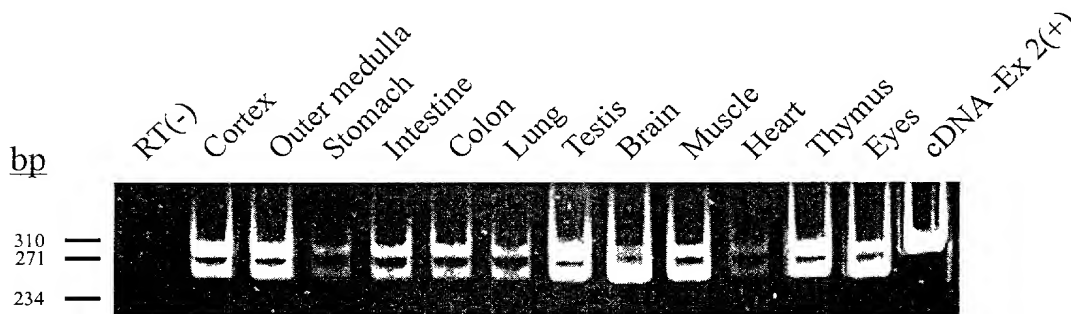
Figure 27

A) KCC2/NT2-N

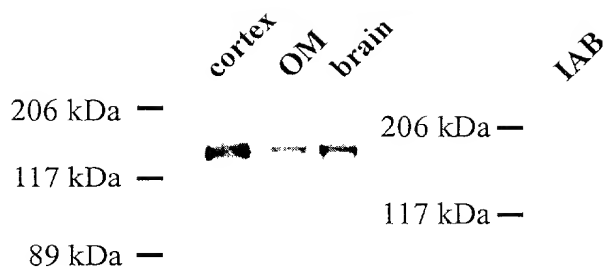
B) Mouse KCC3



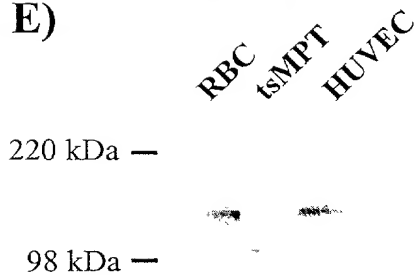
C)



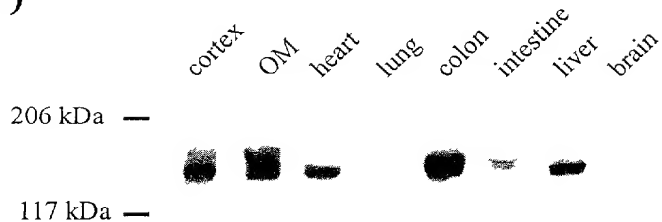
D)



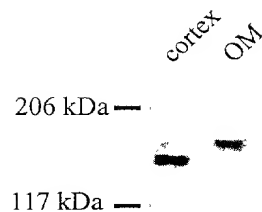
E)



F)



G)



H)

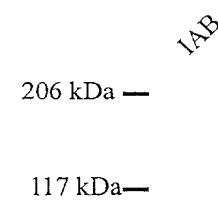


Figure 27 (cont.)

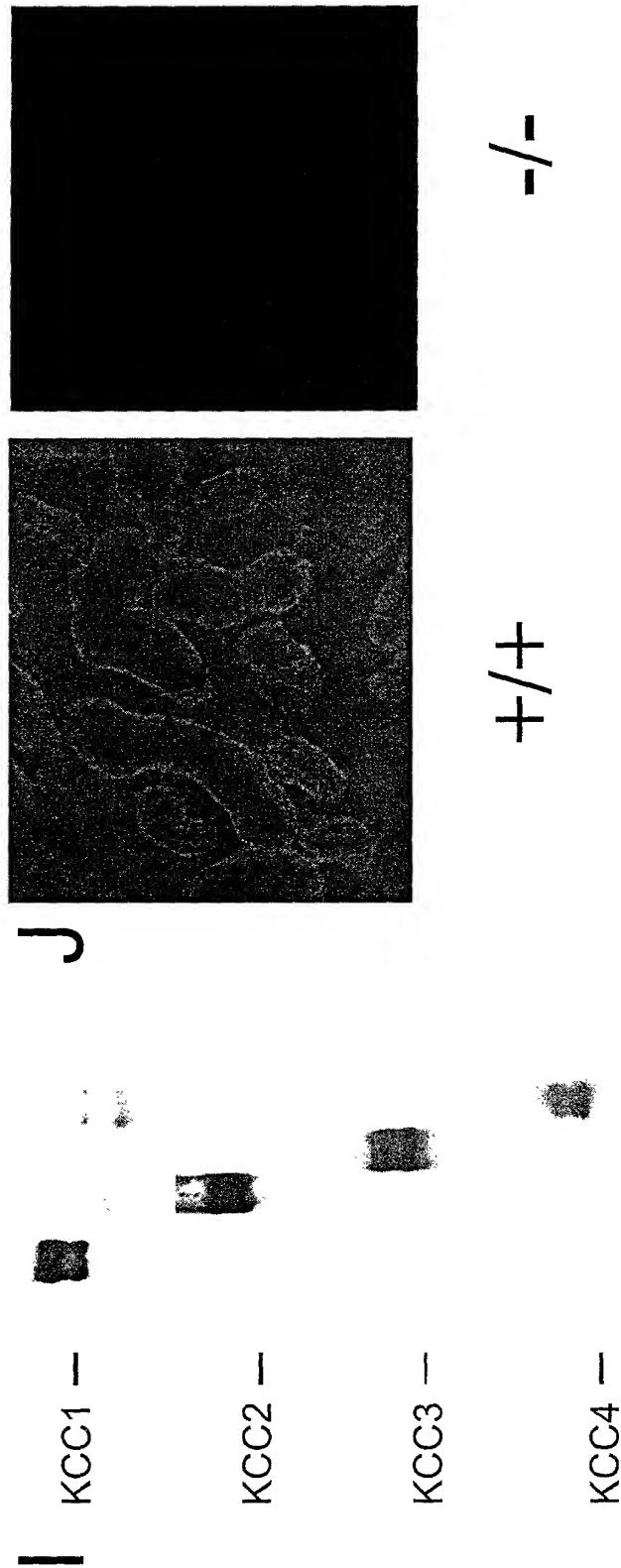
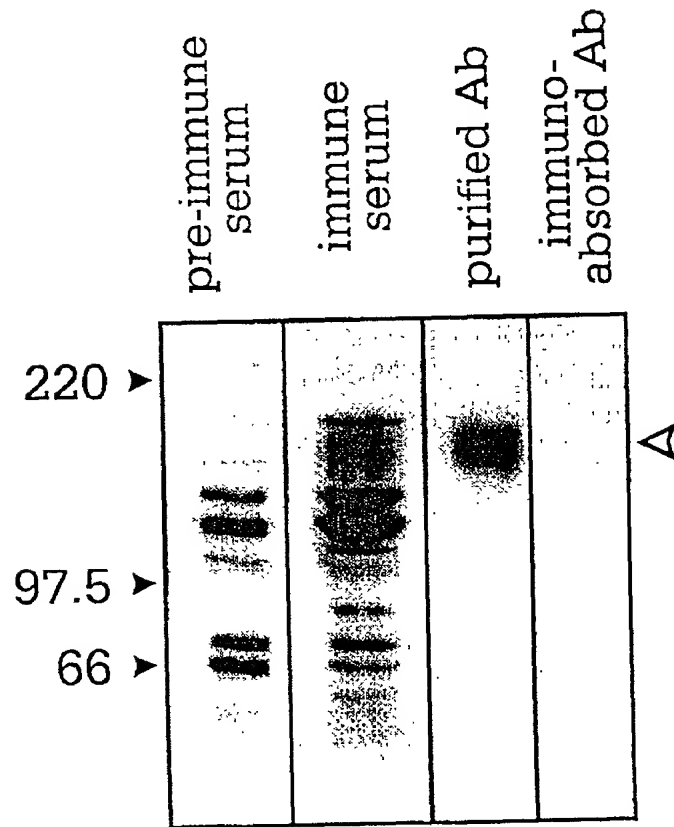


Figure 28



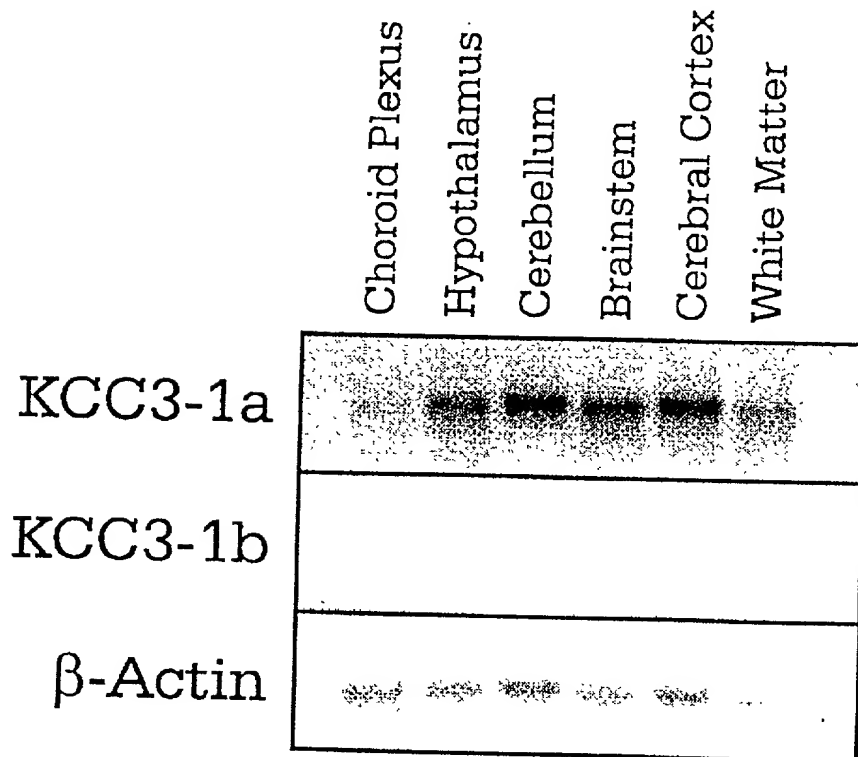
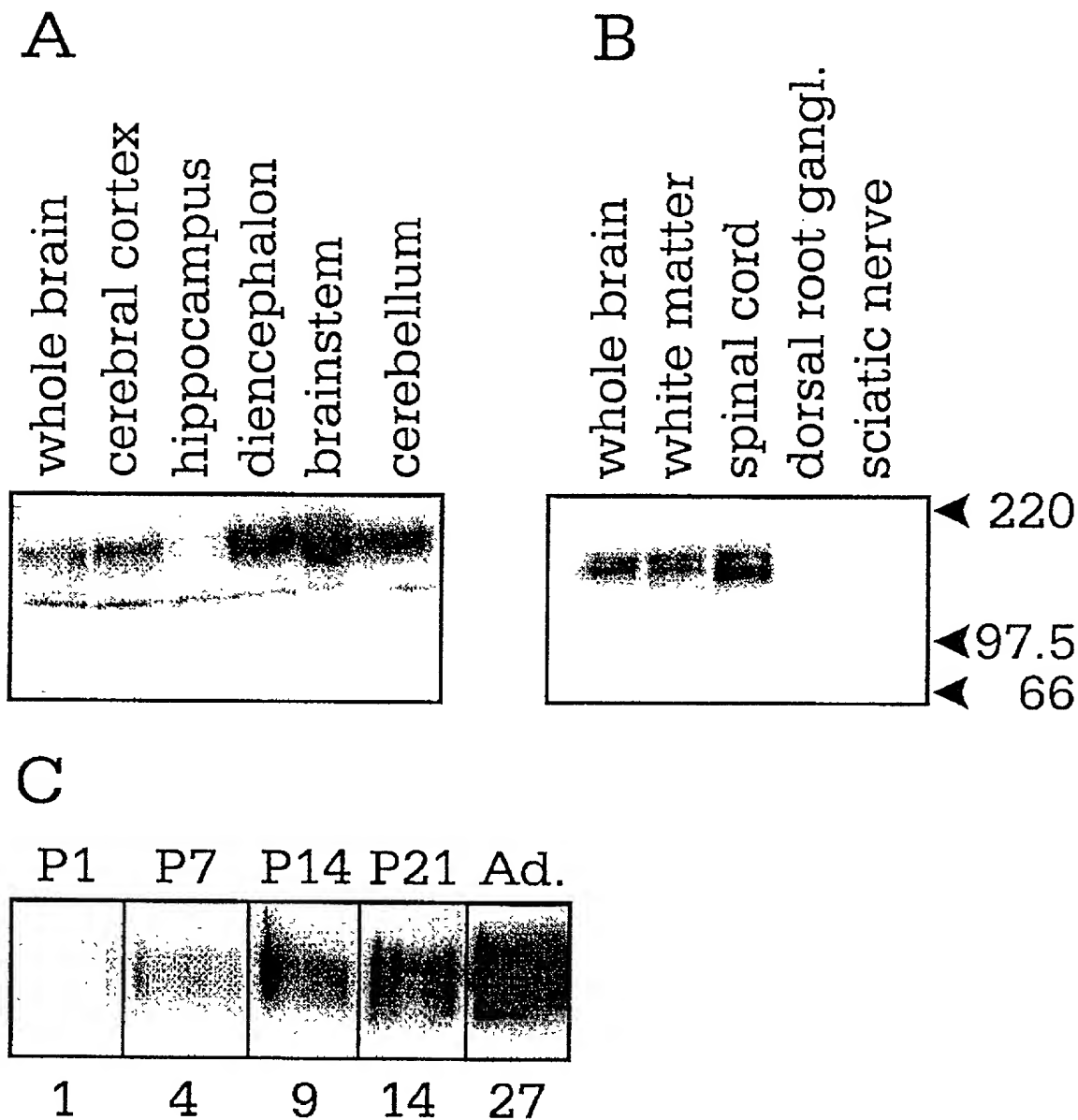


Figure 29

Figure 30



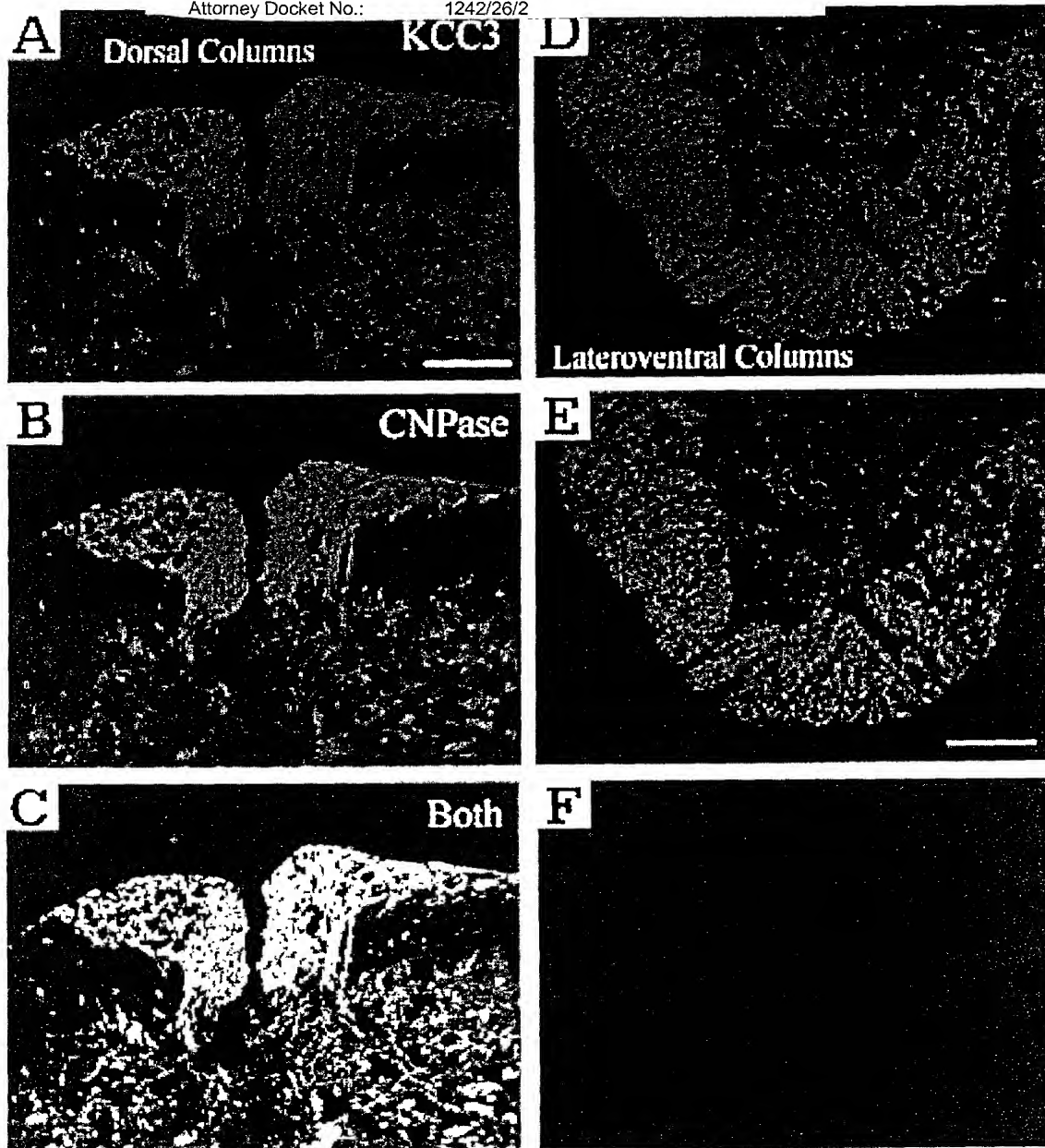


Figure 31

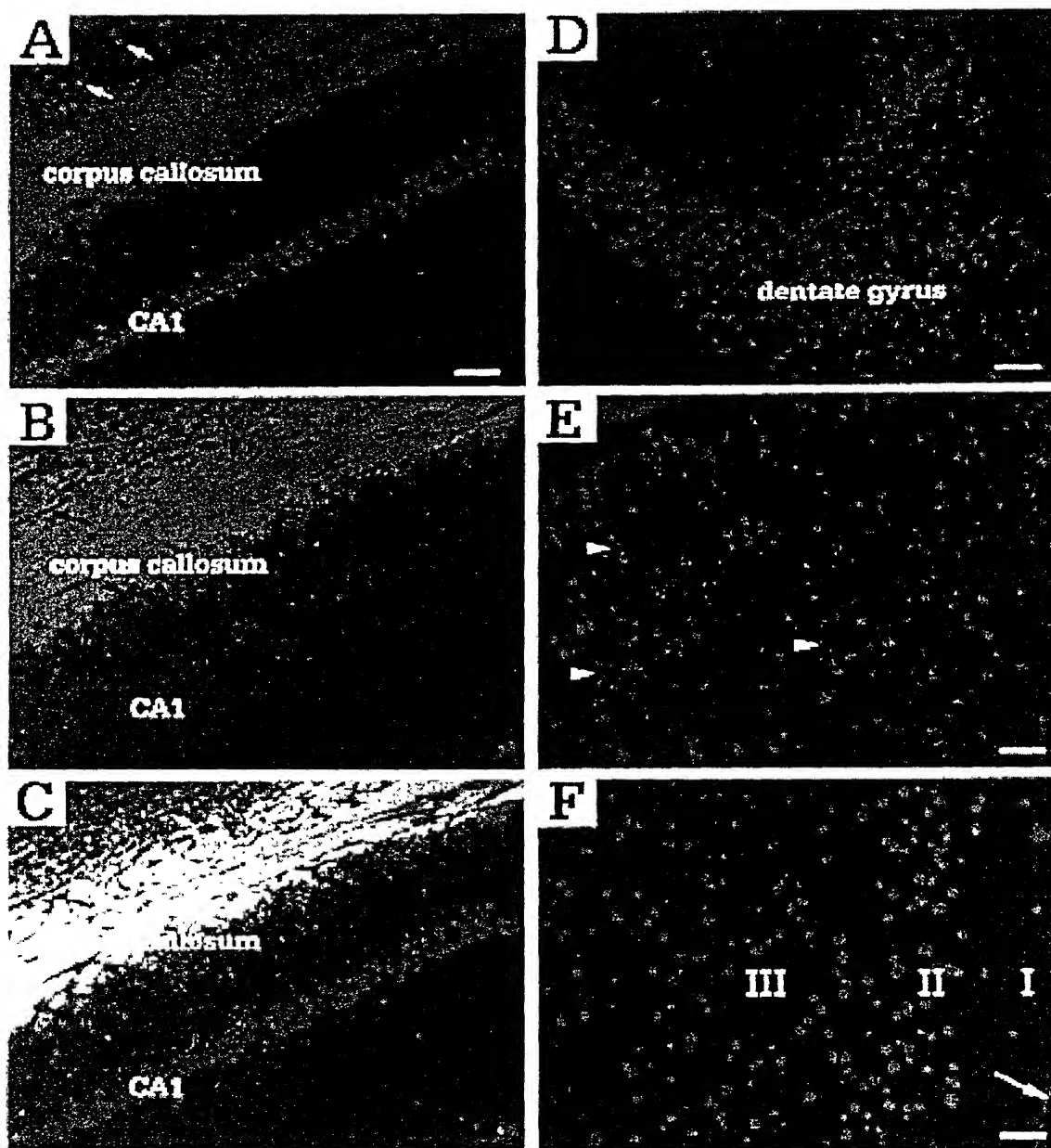
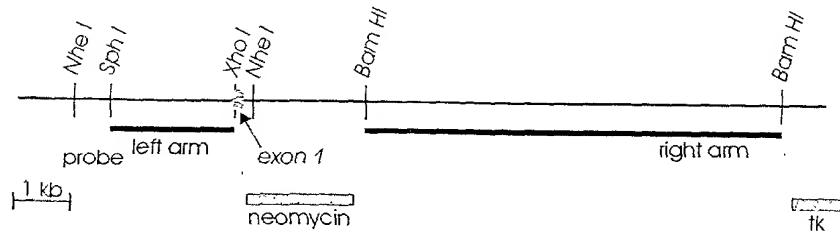


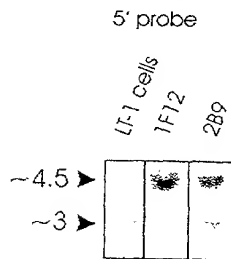
Figure 32

Figure 33

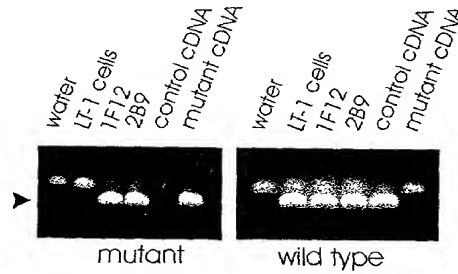
A) Targeting strategy



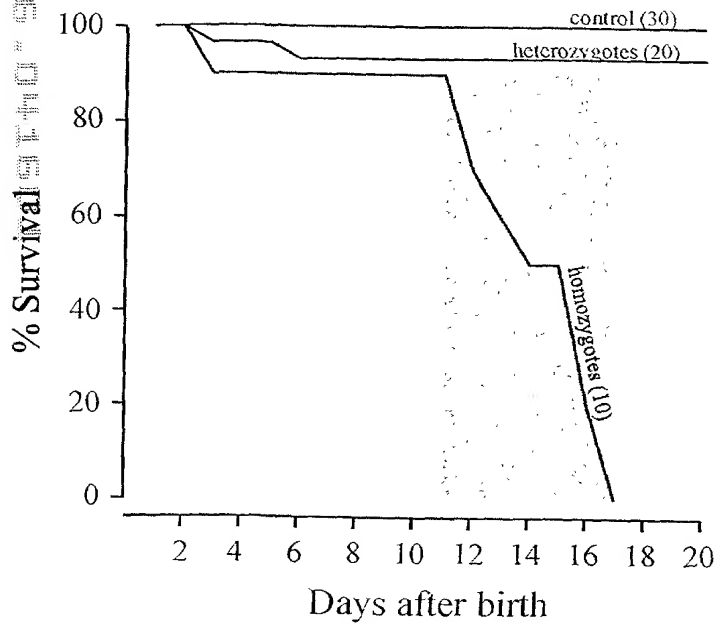
B) Southern



C) PCR



D) Life expectancy



E) Seizure disorder

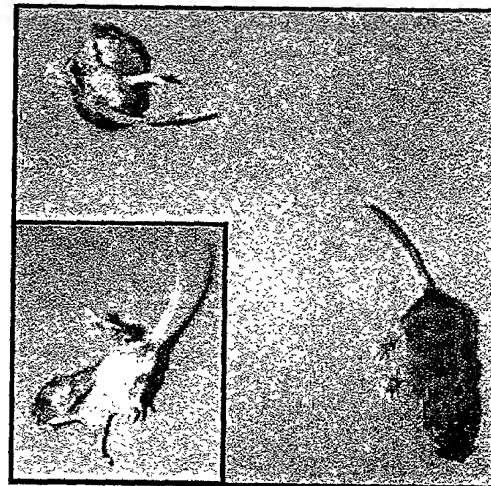
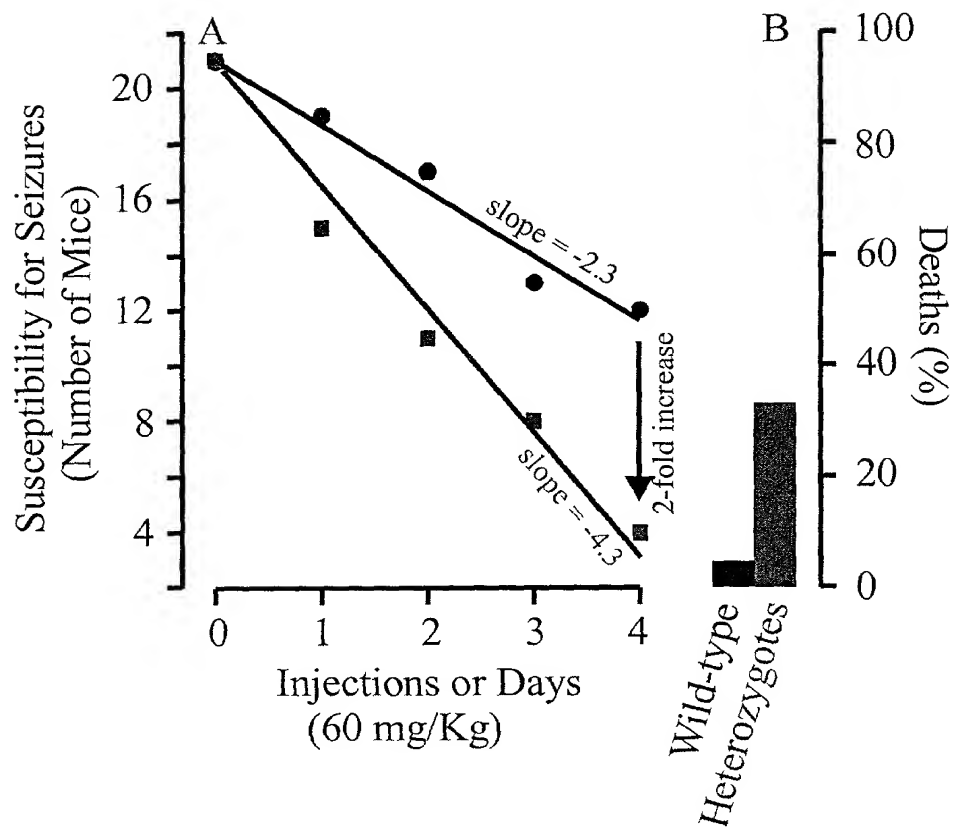


Figure 34



KCC3 Construct

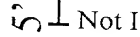


Figure 36

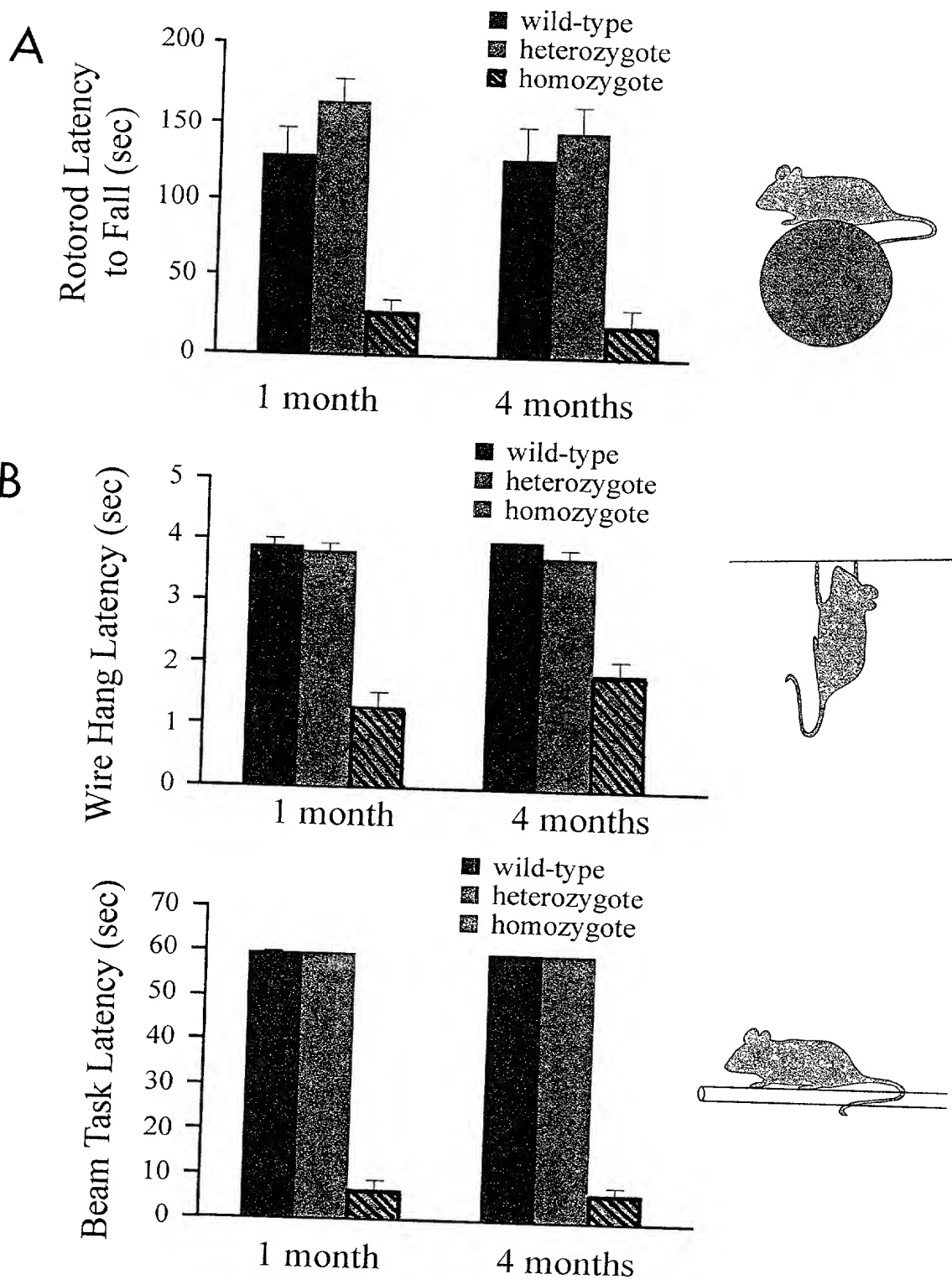


Figure 37

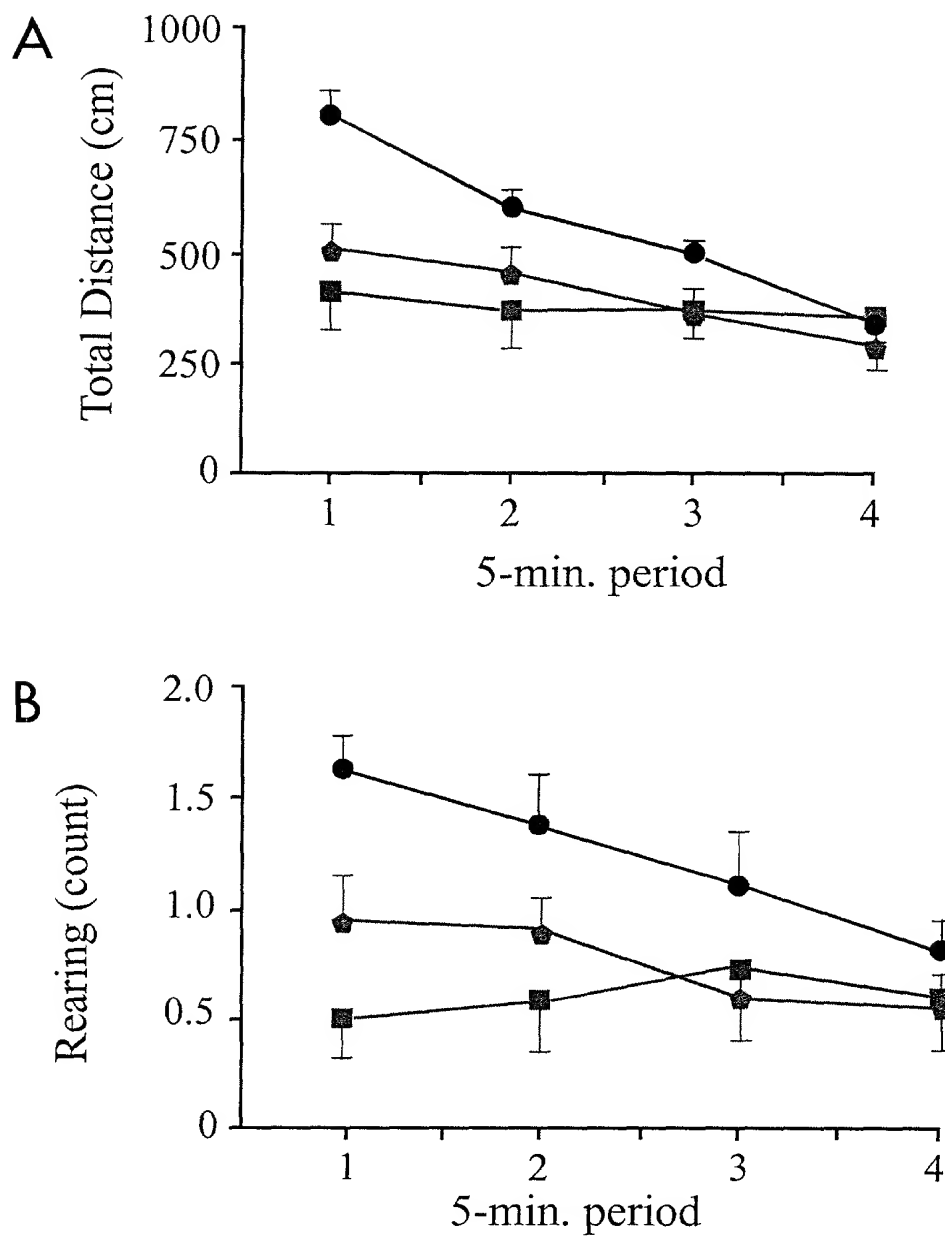


Figure 38

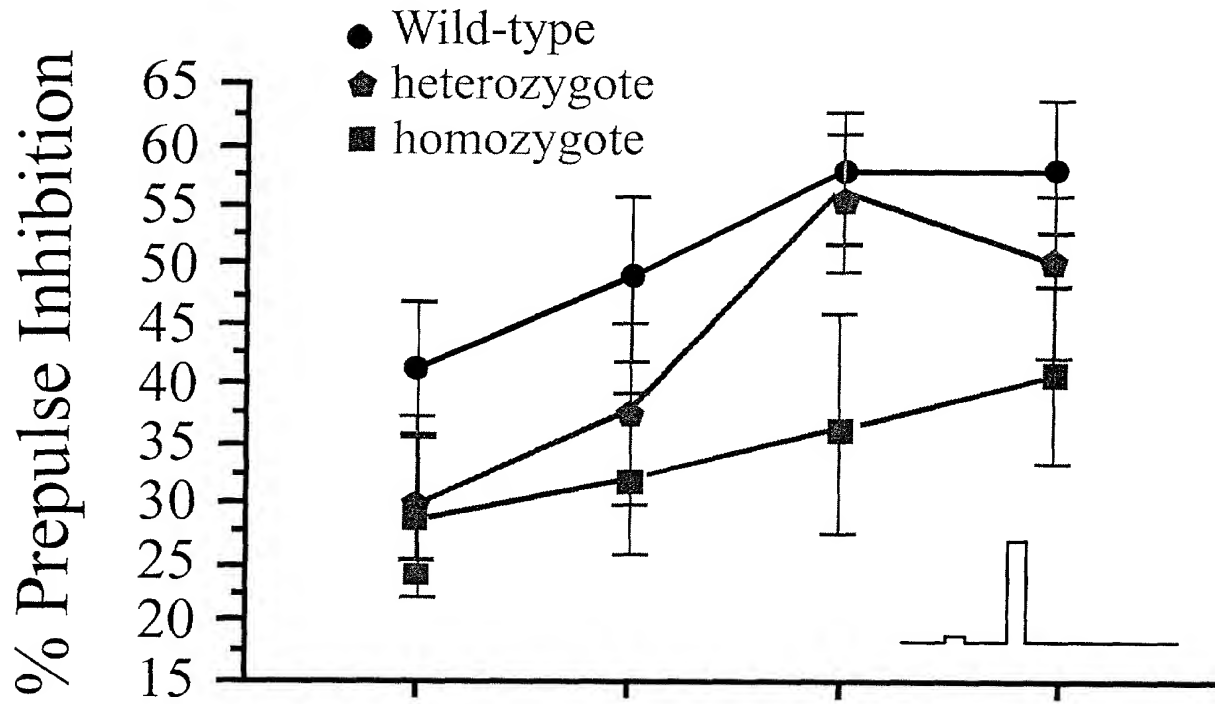


Figure 39

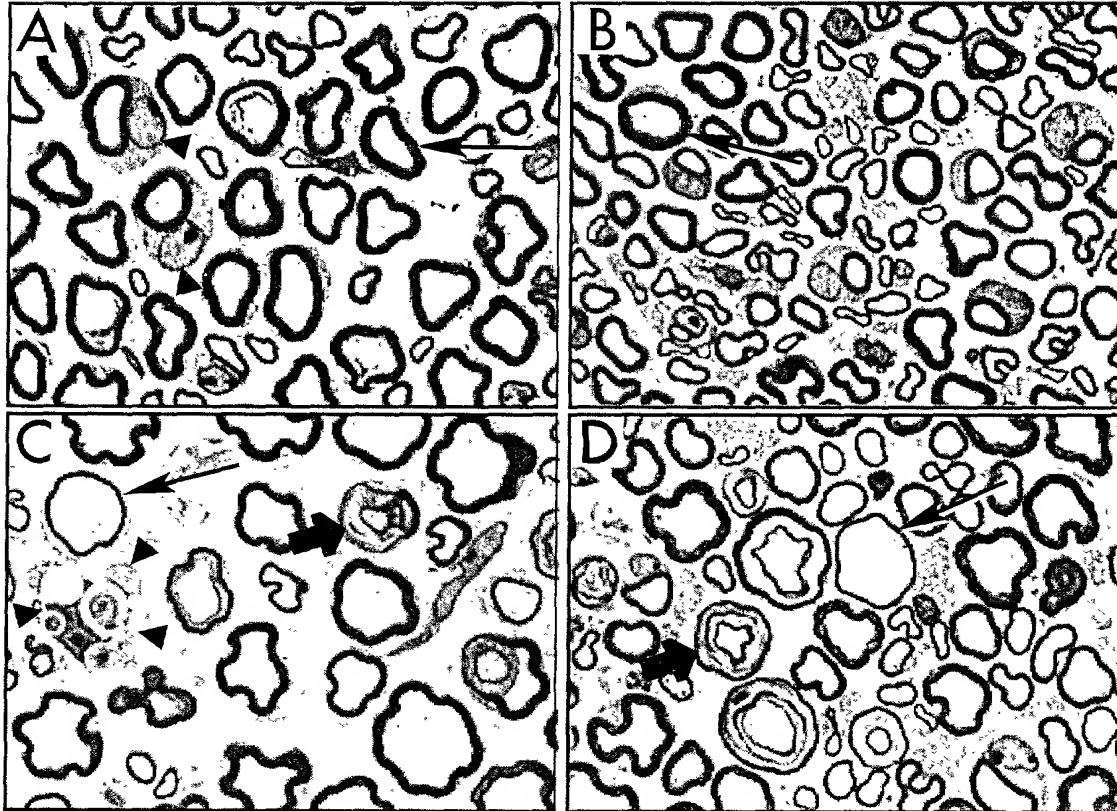
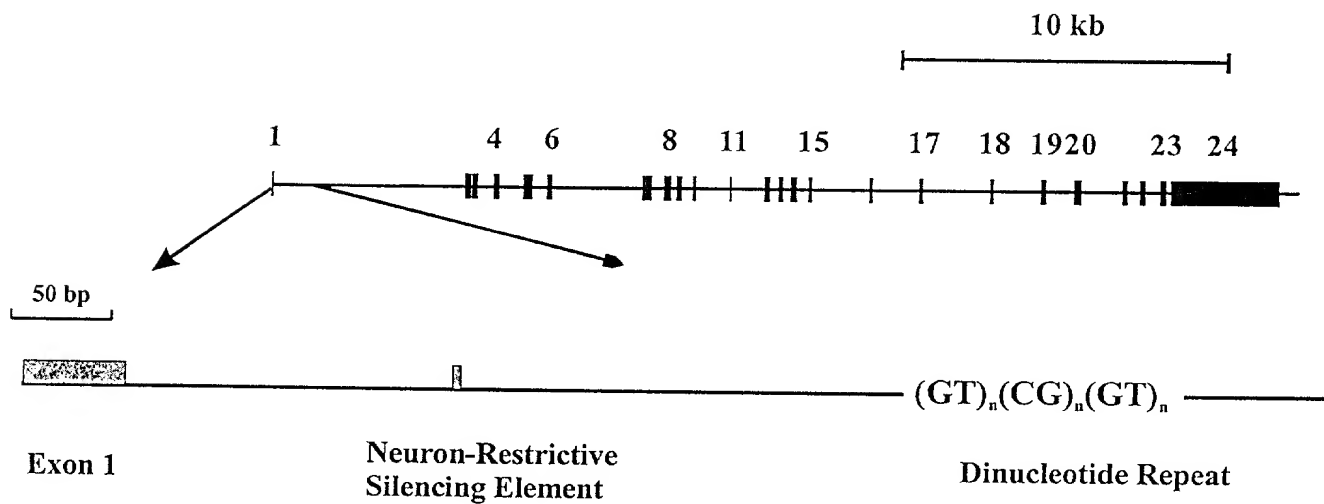


FIG. 39

Figure 40



109140 3463660

Figure 41